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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/068,283	02/05/2002	Axel Scherer	CIT.PAU.01 9733		CIT.PAU.01 9733	
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Daniel L. Dav	ves		MCDONALD, RO	DDNEY GLENN		
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19900 MacArthur Blvd, Ste 1150			ART UNIT	PAPER NUMBER		
Irvine, CA 92612		1767				

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Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary The MAILING DATE of this communication appears on the cover shoet with the correspondence addross Period for Repty A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION		Application No.	Applicant(s)					
Examiner			Applicant(s)					
Rodney G. McDonald 1753	Office Action Commons	10/068,283	SCHERER ET AL.					
Period for Repty	Office Action Summary	Examiner	Art Unit					
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Application/Control Number: 10/068,283

Art Unit: 1753

DETAILED ACTION

Claim Rejections - 35 USC § 112

Claims 21-25 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter, which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

With respect to claims 21-25 directionally etching an elastomeric material in combination with utilizing reactive sputter deposition to form a layer including silicon on an elastomer and forming subsequent masking layers thereon by means of which the three dimensional structure is photolithographically microfabricated in the elastomeric material is not discussed in Applicant's specification.

Allowable Subject Matter

Claims 1-15 are allowed.

The following is a statement of reasons for the indication of allowable subject matter:

Claim 1 is indicated as being allowable over the prior art of record because the prior art of record does not teach the claimed subject matter including reactive sputter deposition of a layer including silicon thereon to allow for the formation of masking layers on the layer sputtered on the silicone elastomer by means of which the structure is photolithographically microfabricated.

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Claims 2-15 are indicated as being allowable over the prior art of record because the prior art of record does not teach forming silicon dioxide, silicon nitride or silicon on an elastomeric material for decreasing the surface tension of the elastomeric material and photolithographically processing the elastomeric with the decreased surface tension.

Response to Arguments

Applicant's arguments filed June 24, 2004 have been fully considered but they are not persuasive.

In response to argument that support is present in Applicant's specification for directionally etching an elastomeric material in combination with utilizing reactive sputter deposition to form a layer including silicon on an elastomer and forming subsequent masking layers thereon by means of which the three dimensional structure is photolithographically microfabricated in the elastomeric material, it is argued that the specification of Applicant does not disclose the two procedures as combinable.

Applicant's specification outlines steps for improving a method of microfabricating three dimensional structures in a deformable silicone elastomer and outlines steps for directional etching of an elastomeric material. There is no suggestion of combining the two processes as a single process. In fact Applicant's specification states that "In another plasma fabrication procedure, we have developed a technique necessary to directionally etch elastomer material" which shows a delineation between the two procedures. Furthermore, claim 21 recites "directionally etching an elastomeric material" which does not refer back to the elastomer of claim 1. This is unclear because

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it is uncertain if the microfabricating procedure is meant to incorporate the directional etch step or that the directional etch step is to be another procedure separate from the microfabricating procedure.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rodney G. McDonald whose telephone number is 571-272-1340. The examiner can normally be reached on M- Th with Every other Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nam X. Nguyen can be reached on 571-272-1342. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Rodney G. McDonald Primary Examiner Art Unit 1753

RM September 9, 2004